

Peak District National Park

Forecast valid from 00:00 on Monday 16 Jan 2023 until 23:59 on Tuesday 17 Jan 2023

Forecast Issued on Sunday 15 Jan 2023 at 11:20

Confidence: High for colder, generally settled start, but lowering for detail of transition to less cold conditions in the outlook period.

Headline for Monday 16 Jan 2023: Cold but largely dry and bright. Relatively light winds but still bringing a severe chill effect.

Mountain weather hazards on Monday 16 Jan 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

No Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Light snow	Partly cloudy (night)	Cloudy	Sunny intervals	Sunny	Sunny	Clear night	Partly cloudy (night)
Precipitation probability							
70%	30%	<05%	00%	00%	<05%	<05%	<05%

Forecast for Monday 16 Jan 2023

Weather: Rather cloudy at first overnight with showers or longer periods of snow, rain below 300m, however dry and clear conditions feeding from the north before dawn. Dry through the day and evening with prolonged periods of weak winter sunshine then clear spells.

Chance of cloud-free hill tops above 600m: By day virtually 100%

Low cloud and visibility: Very good or excellent.

Forecast for Monday 16 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/11 SW	8/13 N	14/19 N	13/21 N	11/16 NW	11/16 W	11/16 W	11/17 W	10/15 SW
300	5/8 SW	6/9 N	8/13 N	8/14 N	9/15 NW	9/15 W	8/13 SW	8/14 SW	6/9 SW
Valley	4/7 SW	5/11 N	7/16 N	6/16 N	7/13 NW	6/13 W	4/10 W	4/11 SW	4/7 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-1/-5	-2/-6	-2/-8	-4/-10	-3/-9	-4/-9	-4/-10	-4/-10	-4/-10
300	1/-2	0/-3	0/-4	-1/-5	-1/-5	-1/-5	-2/-6	-2/-6	-3/-6
Valley	2/-0	1/-2	0/-3	-1/-4	0/-4	0/-3	-2/-5	-3/-5	-3/-6
Freezing Level*	500m	400m	200m	00m	00m	00m	00m	00m	00m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Severe wind chill, particularly at height

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 15 Jan 2023	6mm	26.8mm	31mm

Forecast for Tuesday 17 Jan 2023

Weather: Similar to Monday, wintery cold but dry with prolonged periods of weak sunshine.

Maximum wind: West or northwest 15mph or less

Chance of cloud-free hill tops above 600m: Virtually 100%

Low cloud and visibility: Very good or excellent.

Temperature: **Valleys:** Minus 8 Celsius increasing plus 1 Celsius during the afternoon

At 600m: Minus 4 or 5 Celsius

Freezing level: At or near surface